



# PRESS RELEASE

## Voyage CD (CD Player + DAC) ¥350,000/税別 ￡2,500 MSRP 2021年2月21日発売

クリークオーディオは、今までの方向性を大幅に変更し、新しい時代のオーディオを追求した、斬新な商品「Voyageシリーズ」を前作Evolution 50/100シリーズの後継機として発売します。

Voyage CDは、「デジタルプリアンプ」として、高解像度のデジタルデータファイルを、完璧にアナログに変換します。さらにハイレゾのデジタル音楽再生の、その便利さと多様性を追求し、インターネットやローカルネットワークから音楽をストリーミングします。その名(CD Player +)の通り、従来のコンパクトディスクは、堅牢で信頼性の高いStream Unlimited社のCD80スロットドライブトランスポートで、完璧に再生することができます。

### <特徴>

5系統のデジタル入力: カスタムファームウェアによる、8-core XMOSマイコンによるUSB Class 2の他、2 x SPDIF/同軸、2 x TOSLINK/光を装備しています。さらにPCM再生には、384kHzと 22.4MHzのサンプリングのDSDを用意。

DAC部: トップクラスの性能を目指して、低レベルの歪みおよび広いダイナミックレンジ特性を確保する為、VELVET SOUND™テクノロジーのAKM 32-bit DACを採用し、スイッチングコンデンサーフィルターデザインによって、幅広いダイナミックレンジを確保、そのオーバーサンプリング技術にて、帯域外ノイズを大幅に低減させる事に成功。

アナログ部: 2つのテキサスインスツルメンツOPA2134 Sound Plusオペアンプによってバッファリングされ、WIMAコンデンサーとMELF抵抗のフィルターを介して出力。

電源部: 世界のどこでも、電圧と周波数に関係なく、Voyage CDを最適化する、85Vから265VのAC電源で動作する、独自のスイッチング電源を開発し搭載。

### <スペック>

■型番: Voyage CD ■DACタイプ: VELVET SOUNDテクノロジー AK4493EQ: プレミアムAKM 32bit 768kHz ■デジタル入力: 2 x SPDIF/24bit 192kHz, 2 x Toslink/24bit 192kHz, 1 x USB class 2/32bit 384kHz ■CDメカ: Stream Unlimited CD80 slot drive ■デジタル出力: 1 x 同軸/SPDIF, 1 x 光/Toslink ■デジタルフィルター: 6 x 32bit, 8-fold デジタルフィルター ■S/N: 123dB ■THD+oise: 113dB ■OSRD: 126dB ■DAC特性: PCM 384kHz, 32bit, DSD 22.4MHz ■アナログ出力: 1 x RCA/アンバランス/2.0V RMS, 1 x XLR/バランス/4.0V RMS ■出力インピーダンス: 100Ω ■アナログバッファ: オペアンプ/OPA2134 ■RC BUS: IN/IRセンサー, OUT/Voyage i20 ■電源電圧: 85 - 265V AC 50 - 60 Hz, 自動対応 ■消費電力: 通常 20W, スタンバイ 0.5W(自動スタンバイ: 30分後) ■重量: 6.8 kg ■サイズ: W430 x H80 x D350mm ■その他: リモコン付属、Silver or Black(受注)仕上

バーコード: Voyage CD silver: 5060217950302, Voyage CD black: 5060217950296 ※ 通常在庫はSilver、Blackは取り寄せ(+¥15,000)





## Voyage CD

High-resolution digital music replay has never been more popular. Its convenience, variety and versatility make it a “must have” in any hi-fi system.

Whether you prefer to stream music from the internet, or a local network, the Voyage will convert your high-resolution digital data files into analogue perfectly. As its name suggests, legacy Compact Discs can also be played to perfection on its rugged and reliable Stream Unlimited CD80 slot-drive transport.

Cosmetically, the Voyage matches the Voyage i20 integrated amplifier. Its rugged 2mm thick steel case and luxurious 12mm extruded aluminium front panel is available in either a black or silver brushed and anodised finish. Discreet push buttons mounted on the wide acrylic window operate the main compact disc functions, digital input selection, and volume control. All functions can also be remote controlled for convenience.

A large OLED display indicates all functions and settings and its brightness can be adjusted or turned off completely.

The Voyage can be described simply as a “digital pre-amplifier”, allowing the user to easily select between six digital sources and control the volume in the digital domain, if required.

To ensure the Voyage delivers top class performance, Creek has chosen to use a premium AKM 32-bit digital-to-analogue converter (DAC) with VELVET SOUND™ technology, for its low-level distortion and wide dynamic range characteristics. The DAC’s switched capacitor filter design enables it to support a wide signal range and its Over Sampling Ratio Doubler technology greatly reduces out-of-band noise.

The DAC’s built-in, non-decimating, volume control can be activated with a switch on the back panel to enable audio output level adjustments in 1 dB steps, enabling it to be connected directly to a power amplifier or i20 integrated amplifier with direct power amp mode selected.

Flexible sound tuning is managed by six types of 32-bit digital filters for a wide range of applications.



Bit-perfect operation may be realised when streaming digital signals to the asynchronous USB Class 2 input, which is based on an 8-core XMOS microcontroller circuit, running custom Creek firmware, and clocked by two low phase-noise and low-jitter oscillator circuits. It can support PCM signals sampled at 384 kHz and 22.4 MHz direct stream digital (DSD) data, making it ideal for high-resolution digital to analogue playback.

System firmware updates may be downloaded and installed by the user in seconds, via USB, future proofing the Voyage.

Audio is output via unbalanced, professional quality RCA and Neutrik balanced XLR sockets, buffered by two Texas Instruments OPA2134 Sound Plus™ op-amps. Close tolerance WIMA polypropylene capacitors and MELF surface-mount resistors filter any remaining digital aliasing artifacts.

To further optimise the Voyage's performance Creek has developed a custom high frequency power supply to provide a regulated, noise free, DC voltage to power the DAC and CD transport circuitry, operating seamlessly from 85V to 265V AC mains input voltage. This type of modern power supply ensures optimal performance, regardless of the mains quality, voltage, or frequency, in any part of the world.

When not in use, the Voyage circuitry will automatically shut down after a reasonable time, and its highly efficient power supply circuit will consume extremely low current in Standby mode, thereby conforming to the latest EuP European standby and off-mode standards.

Double pole common-mode mains filters, combined with the custom power supply's natural immunity from the negative effects of poor mains quality, eliminate the need to use expensive external line conditioners, or surge suppression devices, to maintain optimal performance.

Multiple discrete power supply regulators provide clean and precise voltage for its various circuits and organic polymer capacitors decouple critical analogue and digital circuits.

The Voyage CD is a 21<sup>st</sup> century product, designed in the UK and Made in the European Union to the highest standards, using top quality parts and sound engineering.



## Technical Specification

DAC type	AK4493EQ – Premium grade AKM 32bit 768kHz
Digital inputs	2 x SPDIF, 24Bit 192kHz, transformer isolated 2 x TOSLINK, 24Bit 192 kHz, optically isolated 1 x asynchronous USB Class 2, 32Bit 384kHz
CD Transport	Stream Unlimited CD80 slot drive
Digital Output	1 x co-ax SPDIF and 1 x TOSLINK Optical
Digital Filters	6 x 32-bit 8-fold Digital Filter shapes: Short Delay Sharp Roll-off, GD=6.25/fs - Short Delay Slow Roll-off, GD=5.3/fs - Sharp Roll-off - Slow Roll-off - Super Slow Roll-off - Low-dispersion Short Delay
Dynamic range, signal to noise ratio	123dB
THD + Noise	113dB
OSRD, (Over Sampling Ratio Doubler)	126dB in normal mode
Sample Rate PCM	8kHz to 384kHz
DSD maximum	Direct Stream Digital 22.4mHz
Analogue Outputs	RCA un-balanced, 2.0V RMS XLR, fully balanced, 4.0V RMS
Audio buffering	OPA2134 Op-amps
Output impedance	<100 Ohms
RC Bus	Input/output connection for Infra-Red remote extender and serial link between products
Operating mains voltage range	85 to 265V AC 50 to 60 Hz. Auto-ranging
Power Consumption	20W maximum and <0.5W in standby mode
Dimensions	430 x 80 x 350mm W x H x D including feet, knobs, and sockets, (17" x 3.25" x 13.75").
Weight	6.8 kgs net, 9.5kgs packed, (15 lbs net, 21lbs packed).
Finishes	Silver or black front panel, and black case